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PATENT TRADEMARK OFFICE

Re: U.S. Serial No.: 10/064,790
Filed: August 16, 2002
Confirmation No. 5720
Entitled: METHOD OF DATA DISPLAY FOR ELECTRONIC PROGRAM
GUIDES (EPGs) ON A REMOTE CONTROL
Inventor: David E. Allport
Our File No.: ER 1602.06 US

Dear Sir:

Enclosed are the following documents:

1. Request for Continued Examination Transmittal (PTO/SB-30EFS);
2. Copy of Amendment & Response to Final Office Action dated September 19, 2007;
3. Cover Letter;
4. Electronic Patent Application Fee Transmittal;
5. Certificate of Electronic Transmission.

Please acknowledge receipt of this transmittal.

Very truly yours,

DISCOVISION ASSOCIATES

A handwritten signature in cursive script, appearing to read "Caroline T. Do".

Caroline T. Do, Esq., Reg. No. 47,529
Senior Patent Prosecution Attorney
INTELLECTUAL PROPERTY DEVELOPMENT

CTD:bp
Enclosures

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RESPONSE UNDER 37 C.F.R. 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 2623

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David E. Allport

Application No.: 10/064,790

Filed: August 16, 2002

For: METHOD OF DATA DISPLAY FOR
ELECTRONIC PROGRAM GUIDES
(EPGs) ON A REMOTE CONTROL

Examiner: AUSTIN, Shelton W.

Art Unit: 2623

Confirmation No.: 5720

Docket No.: ER 1602.06 US

AMENDMENT AND RESPONSE UNDER 37 CFR §1.116

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Sir:

In response to the outstanding Final Office Action mailed July 19, 2007, please amend the above-identified Application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 11 of this paper.

 **COPY**

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of displaying electronic program guide (EPG) data on a remote control comprising a display, comprising:

defining a logical grid on said display of the remote control, said grid having a plurality of columns and a plurality of rows, wherein each said column has associated therewith a beginning time and an end of a time period;

displaying in a first cell formed at an intersection of a first row and a first column, program information for a first program associated with a first source, the program information being title-based information and the first source being one of a channel and category; and

displaying in a second cell formed at an intersection of said first row and a second column, program information for a second program associated with a second source, ~~wherein the program information is based on criteria specified in a profile.~~

2. (Original) The method of claim 1, further comprising the step of displaying in a third cell within a second row, program information for a third program, wherein said first, second, and third programs satisfy criteria associated with a single logical user.

3. (Original) The method of claim 1, wherein said program information for said first and second programs comprises title-based information.

4. (Original) The method of claim 1, wherein said first and second programs are associated with a first program category.

5. (Original) The method of claim 2, wherein said first and second programs are associated with a first program category and said third program is associated with a second program category.
6. (Original) The method of claim 4, wherein a first icon associated with said first program category is displayed on said display.
7. (Original) The method of claim 5, wherein a first icon associated with said first program category is displayed on said display and a second icon associated with said second program category is displayed on said display.
8. (Original) The method of claim 2 wherein the data is displayed in a font or set of fonts having predetermined size and shape attributes to suit said logical user.
9. (Original) The method of claim 1, wherein the data comprises program information for a plurality of programs available from a plurality of sources.
10. (Original) The method of claim 9, wherein said plurality of sources comprises a television broadcast channel.
11. (Original) The method of claim 10 wherein said television broadcast channel is a digital broadcast channel.
12. (Original) The method of claim 9 wherein said plurality of sources comprises a satellite broadcast channel.
13. (Original) The method of claim 1, further comprising the step of displaying a physical representation of at least a portion of said grid on said display.

14. (Original) The method of claim 1, further comprising the step of displaying on said display at least one of the times associated with said first column.

15. (Original) The method of claim 1, wherein a timeslot associated with said first program comprises at least two cells.

16. (Original) The method of claim 1, wherein said first program represents ongoing content.

17. (Currently Amended) A method of displaying electronic program guide (EPG) data on a remote control comprising a display, comprising:

defining a logical grid on said display of the remote control, said grid having a plurality of columns and a plurality of rows, wherein each column has associated therewith a beginning time and an end of a time period;

displaying in a first cell formed at an intersection of a first column and a first row, program information for a first program associated with a first source, the program information being title-based information and the first source being one of a channel and category; and

displaying in a second cell formed at an intersection of a second column and a second row, program information for a second program associated with said first source, ~~wherein the program information is based on criteria specified in a profile.~~

18. (Original) The method of claim 17, wherein said first and second programs satisfy criteria associated with a single logical user.

19. (Original) The method of claim 17, wherein the program information for said first and second programs comprises title-based information.

20. (Original) The method of claim 17, wherein said first program is associated with a first program category and said second program is associated with a second program category.
21. (Original) The method of claim 20, wherein a first icon associated with said first program category is displayed on said display.
22. (Original) The method of claim 18 wherein the data is displayed in a font or set of fonts having predetermined size and shape attributes to suit said logical user.
23. (Original) The method of claim 17, wherein the data comprises program information for a plurality of programs available from a plurality of sources.
24. (Original) The method of claim 23, wherein said plurality of sources comprises a television broadcast channel.
25. (Original) The method of claim 24 wherein said television broadcast channel is a digital broadcast channel.
26. (Original) The method of claim 23 wherein said plurality of sources comprises a satellite broadcast channel.
27. (Original) The method of claim 17, further comprising displaying a physical representation of at least a portion of said grid on said display.
28. (Original) The method of claim 17, further comprising displaying on the display at least one of the times associated with said first column.

29. (Original) The method of claim 17, wherein a timeslot associated with said first program comprises at least two cells.

30. (Original) The method of claim 17, wherein said first program represents ongoing content.

31. (Currently Amended) An apparatus for displaying an electronic program guide (EPG) data comprising:

a remote control capable of sending wireless commands;

a display incorporated on said remote control;

a logical grid defined on said display, said grid having a plurality of columns and a plurality of rows, wherein each said column has associated therewith a beginning time and an end of a time period;

program information for a first program associated with a first source displayed in a first cell formed at an intersection of a first row and a first column, the program information being title-based information and the first source being one of a channel and category; and

program information for a second program associated with a second source displayed in a second cell formed at an intersection of said first row and a second column, ~~wherein the program information is based on criteria specified in a profile.~~

32. (Original) The apparatus recited in claim 31, further comprising program information for a third program displayed in a third cell within a second row, wherein said first, second, and third programs satisfy criteria associated with single logical user.

33. (Original) The apparatus recited in claim 1, wherein said program information for said first program and said second program comprises title-based information.

34. (Original) The apparatus recited in claim 31, wherein said first program and second program are associated with a first program category.

35. (Original) The apparatus recited in claim 32, wherein said first program and said second program are associated with a first program category and said third program is associated with a second program category.

36. (Original) The apparatus recited in claim 34, wherein a first icon associated with said first program category is displayed on said display.

37. (Original) The apparatus recited in claim 35, wherein a first icon associated with the first program category is displayed on said display and a second icon associated with said second program category is displayed on said display.

38. (Original) The apparatus recited in claim 32, wherein the data is displayed in a font or set of fonts having predetermined size and shape attributes to suit said logical user.

39. (Original) The apparatus recited in claim 31, wherein the data comprises program information for a plurality of programs available from a plurality of sources.

40. (Original) The apparatus recited in claim 39, wherein said plurality of sources comprises a television broadcast channel.

41. (Original) The apparatus recited in claim 40, wherein said television broadcast channel is a digital broadcast channel.

42. (Original) The apparatus recited in claim 39, wherein said plurality of sources comprises a satellite broadcast channel.

43. (Original) The apparatus recited in claim 31, further comprising a display of a physical representation of at least a portion of said grid.

44. (Original) The apparatus recited in claim 31, further comprising a display of at least one of said times associated with said first column.

45. (Original) The apparatus recited in claim 31, wherein said first program comprises at least two cells to which a timeslot is associated therewith.

46. (Original) The apparatus recited in claim 31, wherein said first program represents ongoing content.

47. (Currently Amended) An apparatus for displaying electronic program guide (EPG) data comprising:

- a remote control capable of sending wireless commands;

- a display incorporated on said remote control;

- a logical grid defined on said display, said grid having a plurality of columns and a plurality of rows, wherein each column has associated therewith a beginning time and an end of a time period;

- program information for a first program associated with a first source displayed in a first cell formed at an intersection of a first column and a first row, the program information being title-based information and the first source being one of a channel and category; and

- program information for a second program associated with a first source displayed in a second cell formed at an intersection of a second column and a second row, ~~wherein the program information is based on criteria specified in a profile.~~

48. (Original) The apparatus recited in claim 47, wherein said first program and said second program satisfy criteria associated with a single logical user.

49. (Original) The apparatus recited in claim 47, wherein said program information for said first program and said second program comprises title-based information.

50. (Original) The apparatus recited in claim 47, wherein said first program is associated with a first program category and said second program is associated with a second program category.

51. (Original) The apparatus recited in claim 50, wherein a first icon associated with said first program category is displayed on said display.

52. (Original) The apparatus recited in claim 48, wherein said data is displayed in a font or set of fonts having predetermined size and shape attributes to suit said logical user.

53. (Original) The apparatus recited in claim 47, wherein said data comprises program information for a plurality of programs available from a plurality of sources.

54. (Original) The apparatus recited in claim 53, wherein said plurality of sources comprises a television broadcast channel.

55. (Original) The apparatus recited in claim 54, wherein said television broadcast channel is a digital broadcast channel.

56. (Original) The apparatus recited in claim 53, wherein said plurality of sources comprises a satellite broadcast channel.

57. (Original) The apparatus recited in claim 47, further comprising a display of a physical representation of at least a portion of said grid.
58. (Original) The apparatus recited in claim 47, further comprising a display of at least one of said times associated with said first column.
59. (Original) The apparatus recited in claim 47, wherein a timeslot associated with said first program comprises at least two cells.
60. (Previously presented) The apparatus recited in claim 47, wherein said program information represents ongoing information.

REMARKS

Claims 1-60 are pending in the present application.

This Amendment is in response to the Final Office Action mailed July 19, 2007. In the Office Action, the Examiner rejected claims 1-60 under 35 U.S.C. § 103(a).

Applicant has amended claims 1, 17, 31, and 47 for the purpose of clarification of the present invention only. Reconsideration in light of the amendments and remarks made herein is respectfully requested.

I. REJECTIONS UNDER 35 U.S.C. § 103

The Examiner rejected: 1) claims 1-7, 9-21, 23-37, 39-51 and 53-60 under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,172,677 issued to Stautner et al. ("Stautner") in view of U.S. Patent No. 5,801,747 issued to Bedard ("Bedard") and further in view of U.S. No. 5,710,605 issued to Nelson ("Nelson"); 2) claims 1, 2, 8, 17, 18, 22, 31, 32, 38, 47, 48 and 52 as being unpatentable over Stautner in view of Bedard, and further in view of U.S. Patent No. 6,130,726 issued to Darbee et al. ("Darbee"). Applicant respectfully traverses the rejections for the following reasons.

Stautner discloses an electronic program guide (EPG) comprising a plurality of columns and rows (col. 4, lines 29-27) ... The Examiner claimed that Stautner discloses "displaying in a first cell formed at an intersection of a first row and a first column, program information for a first program associated with a first source (Fig. 4 – CNN, channel 22). Applicant disagrees. In contrast to the present invention, Stautner does not disclose displaying, in its first cell, program information, but a first source (i.e., Fig. 4, CNN, channel 22). Applicant, however, agrees that Stautner

does display program information, but the program information is not displayed in the first cell. The present invention, on the other hand, claims "displaying in the first cell, the program information" (Fig. 3, Saturday Night Live). Displaying in the first cell the "program information" is clearly distinguishable over displaying the first "source", and that is exactly what it is claimed in the present invention. Moreover, in the present invention, the program information is the title-based information and the first source being one of channel and category. Unlike Stautner, the first source in the present invention is not displayed on the EPG.

Bedard discloses a viewer profile where the viewer's viewing behavior to determine the viewer's preferred channels and the types or categories of television programming that the viewer prefers on those channels... The viewer profile can also be used to identify and provide information of interest from the internet. (Col. 3, line 33-56). In view of the amendment to the claims, the reference cited (i.e., Bedard) by the Examiner is now moot.

Nelson discloses a remote control unit for controlling a television and videocassette recorder with a display (Fig. 1). The display mechanism is included for displaying the current day and time and for further displaying television programming schedule items (Col. 2, lines 2-5). Nelson, however, does not disclose displaying program information for a first program associated with a first source in a first cell and that the program information being title-based information and the first source being one of a channel and category.

Darbee discloses a program guide on a remote control display (Figs 1-14). The programming of the remote control has the capability to vary the size of the font(s), as this will enable users to obtain information more quickly. Similarly, provision is made for the utilization of different character sets and languages on the

display of the remote control (Col. 10, lines 51-59). Unlike the present invention, Darbee does not disclose displaying program information for a first program in a first cell, and that the program information being title-based information and the first source being one of a channel and category.

Stautner, Bedard, Nelson, and Darbee, taken alone or in any combination, do not disclose, suggest, or render obvious, the displaying of program information a first program associated with a first source displayed in a first cell, and the program information being title-based information and the first source being one of a channel and category. This aspect of the invention is supported in the specification on paragraphs [0003], [0004], [0008], [0012], [0025], [0026], [0046], [0063] and [0072], figures 3, 4, 7, 8, 9, and is recited in amended claims 1, 17, 31, 47.

Therefore, Applicant believes that independent claims 1, 17, 31, 47 and their respective dependent claims are distinguishable over the cited prior art references. Accordingly, Applicant respectfully requests the rejections under 35 U.S.C. § 103(a) be withdrawn.

CONCLUSION

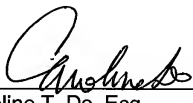
In view of the amendments and remarks made above, it is respectfully submitted that the pending claims are in condition for allowance, and such action is respectfully solicited. If it is believed that a telephone conversation would expedite the prosecution of the present application, or clarify matters with regard to its allowance, the Examiner is invited to contact the undersigned attorney at the number listed below.

The Commissioner is hereby authorized to charge payment of any required fees associated with this Communication or credit any overpayment to Deposit Account No. 04-1175.

Respectfully submitted,

DISCOVISION ASSOCIATES

Dated: 09/19/02



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